



# Two Carolinas One Purpose One Goal 2025 Conference



Jointly Hosted By  
North Carolina Association of Floodplain Managers  
South Carolina Association for Hazard Mitigation

## PROGRAM

Sunday, April 6 (Pre-conference Activities)	
11:00 AM – 6:00 PM	<b>Annual John Fullerton Memorial Golf Tournament</b> <i>Wilmington Municipal Golf Course, Tee Time 11:00 AM – Bill Tingle, CFM (NCAFPM Executive Director)</i>
3:00 – 6:00	<b>Certified Floodplain Manager (CFM) Exam (Soundwatch)</b> (Advance application required)
4:30 – 6:30	<b>Registration</b> (Event Space Foyer, Lobby Entry)
4:30 – Until	<b>SCAHM Board Meeting</b> (Solstice Private Dining Rooms)
5:00 – 8:00	<b>Exhibitor Set-Up</b> (Prefunction Concourse and Adjacent Areas) <i>*Note: Exhibits must be removed before 10:00 PM on Tuesday.</i>
6:30 – Until	<b>Dinner On Your Own... Enjoy Some Networking Time!</b>
6:30 – Until	<b>NCAFPM Board Meeting</b> (Solstice Private Dining Rooms)
8:00 – Midnight	<b>Hospitality Suite</b> (Turtlewatch)
Monday, April 7	
All Day	<b>Silent Auction</b> (Banks Channel Boardroom)
7:00 AM – 10:00 AM	<b>Registration – CEC Check-in</b> (Event Space Foyer, Lobby Entry)
7:00 – 8:30	<b>Complimentary Breakfast Buffet</b> (Main lobby near fireplace)
8:30 – Noon	<b>PLENARY SESSION 1</b> (Lumina Ballroom) <i>Moderators: Lacreia Bilbrey, PE, CFM (City of Anderson, SC) and Ken Ashe, PE, CFM (Summit)</i>
8:30 – 9:00	<b>Conference Welcome and Association Updates</b> <i>Welcome to the Conference! Lacreia Bilbrey, PE, CFM (SCAHM Chair) and Laura Arnold, PE, CFM (NCAFPM Chair) [5]</i> <i>Chapter Updates: Daryle Fontenot, PE, CFM (SCAHM Executive Director) and Bill Tingle, CFM (NCAFPM Executive Director) [10]</i> <i>Program Updates: SCAHM and NCAFPM Board Members [10]</i> <i>Conference Announcements: Conference Coordinators [5]</i>
9:00 – 9:10	<b>Local Welcome</b> Darryl Mills, Mayor of Wrightsville Beach [10]
9:10 – 9:40	<b>KEYNOTE: Policies, Programs and Resources: What's New in the World of Floodplain Management</b> [30] <i>Chad Berginnis, CFM (ASFPM Executive Director)</i>
9:40 – 10:00	<b>Break</b> (Assorted Danishes, Coffee and Soft Drinks) (Lobby) and <b>Silent Auction</b> (Banks Channel Boardroom) [20]
10:00 – 10:45	<b>SCDNR and NCEM State Floodplain Management Updates</b> [45] <i>Maria Cox-Lamm, CFM (SC State NFIP Coordinator) and Steve Garrett, CFM (NC State NFIP Coordinator)</i>
10:45 – 11:30	<b>SC and NC State Hazard Mitigation Updates</b> [45] <i>Tyler Spires (SC Emergency Management Division) and Steve McGugan (NC Emergency Management)</i>
11:30 – Noon	<b>Resilience Update in the Carolinas</b> [30] <i>Andrew White (SC Office of Resilience) and Amanda Martin (NC Office of Recovery and Resiliency)</i>

# Monday, April 7

<b>12:00 – 1:30</b>	<b>Networking Luncheon – “Flavors de Mexico Buffet” Lunch Buffet</b> (Main lobby near fireplace)		
<b>1:30 to 5:00</b>	<b>CONCURRENT SESSION BREAKOUTS</b>		
<p><b>1:30 – 3:00</b></p> <p><b>Note:</b> Duration of individual presentations is in brackets [ ].</p>	<p><b>1-A General Track</b> (Airlie/Tidewater)</p> <p><b>Moderator:</b> Stephen Smith, CFM (Town of Ayden, NC)</p> <p><b>One [30]</b> <i>Navigating the Storm: Lessons Learned from South Carolina's 2024 Hurricane Season – Maria Cox-Lamm, CFM (SC Department of Natural Resources (SCDNR)) and Jennifer Housman, PE, CFM (AECOM)</i></p> <p><b>Two [30]</b> <i>It's All Runoff and Stream Flow to Me: NCDOT's Approaches to Hurricane Helene Response – Kurt Golembesky, PE, CFM (NC Department of Transportation (NCDOT))</i></p> <p><b>Three [30]</b> <i>No Adverse Impact/No-Rise Certification for Construction Activities within the FEMA Floodway/Floodplain – Seungho Song, PE, CFM (CDM Smith)</i></p>	<p><b>1-B Technical Track</b> (Masonboro/Causeway)</p> <p><b>Moderator:</b> James Scanlon, GISP, CFM (Mecklenburg County, NC)</p> <p><b>One [30]</b> <i>Changing Climate: Extreme Precipitation Risks and Hydrologic Design for Infrastructure Planning – Jared Bowden, PhD (State Climate Office of NC)</i></p> <p><b>Two [30]</b> <i>Submerged Solutions: Harnessing Gravel Wetlands for Clean Water – Stephanie MacDurmon (Tetra Tech)</i></p> <p><b>Three [30]</b> <i>UAS Data Products and Data Collection Methods for Coastal Analysis and Vulnerability Monitoring – Eric Kencel, GISP (AECOM)</i></p>	<p><b>1-C / 2-C Specialty Track</b> (Soundwatch)</p> <p><b>One [3.5 hours]</b> <i>NC Flood Resiliency Blueprint Workshop – Stuart (Stu) Brown (NC Department of Environmental Quality, Division of Mitigation Services)</i></p> <p><b>Note:</b> Pre-registration is required; limited to 30 participants</p> <p><b>Note:</b> A break will be provided from 3:00 – 3:30 PM</p>
<b>3:00 – 3:30</b>	<b>Break</b> (Assorted Snacks and Soft Drinks) (Lobby) and <b>Silent Auction</b> (Banks Channel Boardroom) [30]		
<p><b>3:30 – 5:00</b></p> <p><b>Note:</b> Duration of individual presentations is in brackets [ ].</p>	<p><b>2-A General Track</b> (Airlie/Tidewater)</p> <p><b>Moderator:</b> Dan Tomczak, CFM (Jacobs)</p> <p><b>One [30]</b> <i>Carolinas Community Disaster Resilience Zones (CDRZ) – Helene Wetherington and Holly B. White, AICP, CFM (NCORR); Adelaide Bates (SCOR); Kim Adams (Geos Institute)</i></p> <p><b>Two [30]</b> <i>ResilientSC: Bridging the Gap for Low-Capacity Communities – David Vaughn and Kevin Autry (Clemson University Clemson Engineers for Developing Communities (CEDC))</i></p>	<p><b>2-B Technical Track</b> (Masonboro/Causeway)</p> <p><b>Moderator:</b> Melonee Brock, CFM (Mecklenburg County, NC)</p> <p><b>One [30]</b> <i>Uncovering the Relationship Between Gage Stages and BFEs to Communicate Flood Risk – Jessica Artz, CFM (SCDNR), Jennifer Housman, PE, CFM (AECOM), and Tyson James (AECOM)</i></p> <p><b>Two [30]</b> <i>Can You Be Gaslit by a River: When Swamps and Rivers Have Their Own Agenda – Maria Cox Lamm, CFM (SCDNR), Jennifer Housman, PE,</i></p>	

	<i>and South Carolina Institute of Sustainability and Resilience (SCISR))</i>	<i>CFM (AECOM), and Jason Currie, PE, CFM (Flood Focus)</i>	
	<b>Three [30]</b> <i>Resilience Resources in the Carolinas – Nicole Goddard (NCORR) and Andrew White and Karen Hardison (SCOR)</i>	<b>Three [30]</b> <i>HEC-RAS 2D Modeling and Mapping of Urban Flood Hazard Areas – Barnard Mondal, PE, CFM (HDR Engineering Inc. of the Carolinas)</i>	
<b>5:00 – 7:00</b>	<b>Exhibitors’ Social</b> , Hoers d’oeuvres, Full Bar (2 drink tickets provided w/Cash Bar after) ( <i>Prefunction Concourse</i> )		
<b>7:00 – Until</b>	<b>Dinner On Your Own... Enjoy Some Networking Time!</b>		
<b>7:00 – Midnight</b>	<b>Hospitality Suite</b> ( <i>Turtlewatch</i> )		

## Tuesday, April 8

<b>7:00 AM</b>	<b>Joint Chapter Fun Run!</b> ( <i>Meet in the lobby of the Lumina</i> )		
<b>7:00 AM – 5:30 PM</b>	<b>Silent Auction</b> ( <i>Banks Channel Boardroom</i> )		
<b>7:00 – 9:00</b>	<b>Registration</b> ( <i>Event Space Foyer, Lobby Entry</i> )		
<b>7:30 – 9:00</b>	<b>Complimentary Breakfast Buffet</b> ( <i>Main lobby near fireplace</i> )		
<b>9:00 – Noon</b>	<b>PLENARY SESSION 2</b> ( <i>Lumina Ballroom with Overflow Option in Soundwatch</i> ) <i>Moderators: Lacrecia Bilbrey (City of Anderson, SC) and Ken Ashe (Summit)</i>		
<b>9:00 – 9:30</b>	<b>TMAC: Helping to Shape the Future of Flood Risk Management [30]</b> <i>Vincent DiCamillo, Chair (Technical Mapping Advisory Council)</i>		
<b>9:30 – 10:00</b>	<b>State Climatology Updates [30]</b> <i>Hope Mizzell, PhD (SC State Climatology Office) and Jared Bowden, PhD (State Climate Office of NC)</i>		
<b>10:00 – 10:30</b>	<b>Break</b> ( <i>Assorted Danishes, Coffee and Soft Drinks</i> ) ( <i>Lobby</i> ) and <b>Silent Auction</b> ( <i>Banks Channel Boardroom</i> ) [30]		
<b>10:30 – 11:00</b>	<b>NC Flood Resiliency Blueprint Update [30]</b> <i>Stuart (Stu) Brown, NC Department of Environmental Quality, Division of Mitigation Services</i>		
<b>11:00 – Noon</b>	<b>Local Representatives Panel Discussion on the Impacts of Hurricane Helene in the Carolinas [60]</b> <i>Panel Moderator: Tommy DeLage, CFM (Richland County, SC)</i> <i>Panel Members: Mike Huffman, CFM (Hendersonville, NC); Jodie Ferguson, CFM (Haywood County, NC); Melinda Cronenberger (York County, SC)</i>		
<b>Noon – 1:30</b>	<b>Networking Luncheon</b> – Create your own Deli Buffett ( <i>Main lobby near fireplace</i> )		
<b>1:30 – 2:00</b>	<b>NCAFPM Members Meeting</b> <i>(Airlie/Tidewater)</i> <b>Moderator: Bill Tingle, CFM (NCAFPM)</b>	<b>SCAHM Members Meeting</b> <i>(Masonboro/Causeway)</i> <b>Moderator: Daryle Fontenot, PE, CFM (SCAHM)</b>	
<b>2:00 to 5:00</b>	<b>CONCURRENT SESSION BREAKOUTS</b>		
<b>2:00 – 3:00</b>	<b>3-A General Track</b> <i>(Airlie/Tidewater)</i> <b>Moderator: Jessica Artz, CFM (SCDNR)</b>  <b>One [30]</b> <i>Strengthening the Substantial Damage Process – Peggy Curtis, CFM (FEMA), Heather Brown, CFM (SCDNR), and Johnathin Rogers (Marion County, SC)</i>  <b>Two [30]</b>	<b>3-B Technical Track</b> <i>(Masonboro/Causeway)</i> <b>Moderator: Penny Ayers, CFM (Berkeley County, SC)</b>  <b>One [30]</b> <i>Part 1 of 2 Engineered Percussion Anchor and Turf Reinforcement Mat Systems for Vegetated Slope Stabilization, Erosion Control, and Revegetation Solutions – Craig A. Shultz (American Excelsior Company)</i>	<b>3-C Specialty Track</b> <i>(Soundwatch)</i> <b>Moderator: Virginia Spillman, PE, CFM (City of Greensboro, NC)</b>  <b>One [30]</b> <i>Machine Learning (ML) Flood Forecasting Efforts in Mecklenburg County – James Scanlon, GISP, CFM (Mecklenburg County), Arash Karimzadeh, PhD (Woolpert), and Neal Banerjee, PE, CFM (Freese and Nichols)</i>

	<i>Lessons Learned from Western NC Deployment – Craig Harris, CFM; Kathryn Thurston, CFM, AICP; and Travis Henley, CFM, AICP (City of Wilmington)</i>	<b>Two [30]</b> <i>Part 2 of 2 Engineered Percussion Anchor and Turf Reinforcement Mat Systems for Vegetated Slope Stabilization, Erosion Control, and Revegetation Solutions – Rick Ruffing (Gripple, Inc.)</i>	<b>Two [30]</b> <i>Bridging the Gap: Trustworthy AI for Effective Floodplain Management – Daniel Kang and Tyson James, PE, CFM (AECOM)</i>
<b>3:00 – 3:30</b>	<b>BREAK – (Assorted Snacks and Soft Drinks) (Lobby entry)</b>		
<b>3:30 – 5:00</b>  <b>Note:</b> Duration of individual presentations is in brackets [ ].	<b>4-A General Track</b> <i>(Airlie/Tidewater)</i> <b>Moderator:</b> Penny Ayers, CFM <i>(Berkeley County, SC)</i>  <b>One [30]</b> <i>The Future of FEMA Coastal Flood Hazards – An Introduction to Coastal Future of Flood Risk Data (FFRD) Concepts – Erin Benford, PG and Elena Drei-Horgan, PhD, CFM (AECOM)</i>  <b>Two [30]</b> <i>The Future of FEMA Coastal Flood Hazards – Data Visualization for FFRD Products – Eric Kencel, GISP and Elena Drei-Horgan, PhD, CFM (AECOM)</i>  <b>Three [30]</b> <i>Case Study in 2D Floodway Modeling and Floodplain Mapping – Martha Cardona, PhD, PE (Freese and Nichols)</i>	<b>4-B Technical Track</b> <i>(Masonboro/Causeway)</i> <b>Moderator:</b> Ken Vafier, CFM <i>(New Hanover County, NC)</i>  <b>One [30]</b> <i>City of Raleigh Prioritization Scoring for Mitigating Flood Prone Properties – Allison Bryan, PE, CFM (City of Raleigh, NC) and Nathan Slaughter, AICP, CFM (ESP Associates, Inc.)</i>  <b>Two [30]</b> <i>Agile Principles in Managing Master Planning Program for Stormwater Flooding Resiliency – Alicia Lanier, PE, CFM, HSDP (City of Fayetteville, NC)</i>  <b>Three [30]</b> <i>NCDOT US74 Corridor Resiliency Study Using AtkinsRéalis City Simulator – Lauren Sester, PE, CFM (AtkinsRéalis) and Kurt Golembesky, PE, CFM (NCDOT)</i>	<b>4-C Specialty Track</b> <i>(Soundwatch)</i> <b>Moderator:</b> Tommy DeLage, CFM <i>(Richland County, SC)</i>  <b>One [30]</b> <i>From Stormwater to Social Capital: The Multi-Benefit Power of Green Infrastructure – Stephanie MacDurmon, PE, CFM (Tetra Tech)</i>  <b>Two [30]</b> <i>NC Highway 12 Living Shoreline – Jim Gould (Town of Duck, NC)</i>  <b>Three [30]</b> <i>Exploring Living Shorelines Investigations and Concepts in South Carolina – Erin Benford, PG and Adam Clinch, PE (AECOM)</i>
<b>5:00 – 5:30</b>	<b>Silent Auction Close-out (Banks Channel Boardroom)</b>		
<b>6:00 – 9:00</b>	<b>Conference Social – Outdoor Palms of Lumina near pool: Low Country Boil, Games, Full Bar (2 drink tickets provided w/Cash Bar after). In the event of bad weather, the social will be held in the Lumina Ballroom.</b>		
<b>9:00 – Midnight</b>	<b>Hospitality Suite (Turtlewatch)</b>		

<b>Wednesday, April 9</b>	
<b>7:30 AM – 9:00 AM</b>	<b>Registration (Event Space Foyer, Lobby Entry)</b>
<b>7:00 – 8:30</b>	<b>Complimentary Breakfast Buffet (Main lobby near fireplace)</b>
<b>8:30 – 10:00</b>	<b>CONCURRENT SESSION BREAKOUTS</b>

<p><b>8:30 – 10:00</b></p> <p><b>Note:</b> Duration of individual presentations is in brackets [ ].</p>	<p><b>5-A General Track</b> (Airlie/Tidewater) <b>Moderator:</b> Melonee Brock, CFM (Mecklenburg County, NC)</p> <p><b>One [30]</b> <i>Flood Insurance, Claims, Mitigation Opportunities and the Quandary of Risk Communication – Lisa Sharrard, CFM, ANFI, CPM (Choice Flood Insurance LLC)</i></p> <p><b>Two [30]</b> <i>Managed Retreat in Practice Rather than Theory: Upton/Jones – Spencer Rogers (UNC-Wilmington Coastal Engineering Program)</i></p> <p><b>Three [30]</b> <i>Town of Colonial Beach, VA: Flooding Challenges, Climate Change, and Deteriorating Infrastructure – Michael Zehner, AICP, CMF, ENZV SP (Berkely Group) and Holly Miller, PE, CFM (Tetra Tech)</i></p>	<p><b>5-B Technical Track</b> (Masonboro/Causeway) <b>Moderator:</b> Eric Lutz, CFM (Folly Beach, SC)</p> <p><b>One [30]</b> <i>GIS-Based Assessment on the Impact of SLOSH Model Hurricane on Wilmington, NC – Edwin Kotey (MacConnell and Associates, P.C.)</i></p> <p><b>Two [30]</b> <i>Flood Forecast Modeling in Urban Areas Under Heavy Precipitation Using SAS – Dori Sabeh, PE, GISP (WithersRavenel) and Dev Kakde (SAS)</i></p> <p><b>Three [30]</b> <i>Real-Time Flood Forecasting with Real-Time Hourly MRMS Grids and Calibrated 2D Models – U. Sidar Gul, PE, CFM (Guel Engineering)</i></p>	<p><b>5-C Specialty Track</b> (Soundwatch) <b>Moderator:</b> Kurt Golembesky, PE, CFM (NCDOT)</p> <p><b>One [30]</b> <i>Local-Scale Drainage Improvements in a Two-County Footprint: Georgetown and Williamsburg Counties, SC, H&amp;H Study – Hassan Ismail, PhD, PE (McCormick Taylor)</i></p> <p><b>Two [30]</b> <i>Low-Level and Nuisance Flood Mitigation Through Temporary, Removable, Surface-applied Systems – Sam Bays, CFM, CGC, LEED AP, MBA (Swift Response LLC)</i></p> <p><b>Three [30]</b> <i>Flooding Tools for More Effective Decision-Making – Cloud Bogart, CFM (Forerunner)</i></p>
<p><b>10:00 – 10:30</b></p>	<p><b>BREAK – Coffee, Soft Drinks, Snacks (Lobby entry)</b></p>		
<p><b>10:30 – Noon</b></p>	<p><b>PLENARY SESSION 3 (Lumina Ballroom)</b> <i>Moderator: Ken Ashe (Summit)</i></p>		
<p><b>10:30 – 11:00</b></p>	<p><b>Western NC Partnership and State Framework for Flood Resilience [30]</b> <i>Tony McEwen (American Flood Coalition)</i></p>		
<p><b>11:00 – 11:30</b></p>	<p><b>The Great Flood of 1927: Lessons Learned from 100 Years [30]</b> <i>David Key, PE, CFM (ESP Associates)</i></p>		
<p><b>11:30 – Noon</b></p>	<p><b>Prize Giveaways and Conference Closeout (Must be present to win!) [30]</b> <i>SCAHM and NCAFPM Boards</i></p>		
<p><b>Noon</b></p>	<p><b>CONFERENCE ADJOURNS</b></p>		

## PRESENTERS

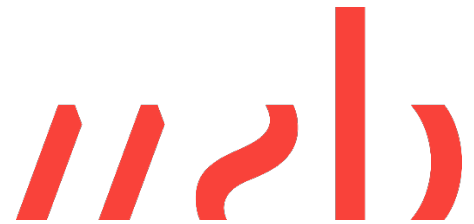
<p>Kim Adams                  Jessica Artz, CFM                  Kevin Autry                  Neal Banerjee, PE, CFM                  Adelaide Bates                  Sam Bays, CFM, CGC, LEED AP, MBA                  Erin Benford, PG                  Chad Berginnis, CFM                  David Betenbaugh, GISP, CFM                  Cloud Bogart, CFM                  Jared Bowden, PhD                  Heather Brown, CFM                  Stuart (Stu) Brown                  Allison Bryan, PE, CFM                  Martha Cardona, PhD, PE                  Adam Clinch, PE                  Maria Cox-Lamm, CFM                  Jason Currie, PE, CFM                  Peggy Curtis, CFM                  Vincent DiCamillo                  Elena Drei-Horgan, PhD, CFM                  Jodie Ferguson, CFM                  Steve Garrett, CFM                  Kurt Golembesky, PE, CFM                  Jim Gould</p>	<p>U. Sidar Gul, PE, CFM                  Craig Harris, CFM                  Travis Henley, CFM, AICP                  Jennifer Housman, PE, CFM                  Mike Huffman, CFM                  Hassan Ismail, PhD, PE                  Tyson James, PE, CFM                  Pier I. Janrhett, CFM                  Dev Kakde                  Daniel Kang                  Arash Karimzadeh, PhD                  Jeff Keenum, PG, CFM                  Eric Kencel, GISP                  David Key, PE, CFM Edwin Kotey                  Alicia Lanier, PE, CFM, HSDP                  Stephanie MacDurmon, PE, CFM                  Amanda Martin                  Tony McEwen                  Steve McGugan                  Holly Miller, PE, CFM                  Hope Mizzell, PhD                  Barnard Mondal, PE, CFM                  Johnathin Rogers                  Spencer Rogers                  Rick Ruffing</p>	<p>Dori Sabeh, PE, GISP                  James Scanlon, GISP, CFM                  Lauren Sester, PE, CFM                  Lisa Sharrard, CFM, ANFI, CPM                  Craig A. Shultz - CPESC                  Nathan Slaughter, AICP, CFM                  Seungho Song, PE, CFM                  Tyler Spires                  Kathryn Thurston, CFM, AICP                  David Vaughn                  Helene Wetherington                  Andrew White                  Holly B. White, AICP, CFM                  Michael Zehner, AICP, CMF, ENZV SP</p>
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